

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions and listings of claims in the application:

1. **(Currently Amended)** A method of analyzing network traffic on a network, the network traffic having been captured at a network monitoring computer during a period of time, the method comprising:

at a user computer remote from the network monitoring computer, receiving data points corresponding to the captured network traffic, the data points comprising:

for the captured network traffic, start time, end time, total frames and total bytes; and

information about sections of the captured network traffic, the information including start time, end time, number of frames in the section and number of bytes in the section; [[and]]

storing a histogram, including the data points, at the user computer, the histogram further including a listing and description of downloaded captured data files stored on the user computer; and

using the listing and description of downloaded captured data files to code portions of a capture histogram and a zoom histogram with a first indicator representing sections stored at the user computer.

2. **(Currently Amended)** The method of claim 1, further comprising at the user computer, presenting a user with a graphical user interface representation of the network traffic by graphing byte density over time in [[a]]the capture histogram by using the histogram.

3. **(Currently Amended)** The method of claim 2, wherein presenting a user with a graphical user interface representation of the network traffic comprises:

including a zoom window, the zoom window useful for highlighting a segment of the capture histogram; and

representing the segment of the capture histogram in [[a]]the zoom histogram.

4. **(Original)** The method of claim 3, further comprising:

including a data selection window useful for highlighting a segment of the zoom histogram;

storing a first downloaded captured data file that includes sections corresponding to the segment of the zoom histogram highlighted by the data selection window; and

displaying data frames corresponding to the highlighted segment of the zoom window.

5. **(Original)** The method of claim 4, further comprising storing a second downloaded captured data file that includes sections corresponding to a segment of the zoom histogram previously highlighted by the data selection window.

6. **(Original)** The method of claim 4, further comprising storing the first downloaded captured data file and the histogram together in a folder.

7. **(Original)** The method of claim 2, wherein presenting a user with a graphical user interface representation of the network traffic comprises applying a compression algorithm to at least a portion of the information in the histogram.

8. **(Original)** The method of claim 3, wherein representing the segment of the capture histogram in a zoom histogram comprises applying a compression algorithm to at least a portion of the information in the histogram.

9. **(Canceled)**

10. **(Original)** The method of claim 4, further comprising coding portions of the capture histogram and the zoom histogram with a second indicator representing sections that were previously at the user computer, but that are not presently at the user computer.

11. **(Original)** The method of claim 4, further comprising coding portions of the capture histogram and the zoom histogram with a third indicator representing sections that are not stored at the user computer or at the network monitoring computer.

12. **(Original)** The method of claim 4, the histogram further comprising a listing and description of downloaded captured data files stored on the user computer, the method further comprising:

using the listing and description of downloaded captured data files to color code portions of the capture histogram and the zoom histogram with a first color representing sections stored at the user computer;

color coding portions of the capture histogram and the zoom histogram with a second color representing sections that were previously at the user computer, but that are not presently at the user computer; and

color coding portions of the capture histogram and the zoom histogram with a third color representing sections that are not stored at the user computer or at the network monitoring computer.

13. **(Original)** The method of claim 4, further comprising:

downloading sections from the network monitoring computer that are not stored in downloaded captured data files at the user computer; and

combining the downloaded sections with a downloaded captured data file that was previously stored at the user computer.

14. **(Original)** The method of claim 1, further comprising saving the histogram for later use.

15. **(Original)** ~~The method of claim 14, further comprising:~~ A method of analyzing network traffic on a network, the network traffic having been captured at a network monitoring computer during a period of time, the method comprising:

at a user computer remote from the network monitoring computer, receiving data points corresponding to the captured network traffic, the data points comprising:

for the captured network traffic, start time, end time, total frames and total bytes; and

information about sections of the captured network traffic, the information including start time, end time, number of frames in the section and number of bytes in the section; and
storing a histogram, including the data points, at the user computer;
saving the histogram for later use;
opening the histogram;
determining if the histogram corresponds to network traffic stored on the network monitoring computer using timestamps; and
if the histogram corresponds to network traffic stored on the network monitoring computer, establishing a relationship between the network monitoring computer and the user computer such that network traffic existing on the network monitoring computer may be downloaded to the user computer.

16. **(Original)** The method of claim 4, comprising saving a downloaded captured data file stored on the user computer for later use.

17. **(Original)** The method of claim 16, comprising:
 creating an individual histogram for the downloaded captured data file stored on the user computer for later use; and
 displaying the individual histogram at the user computer.

18. **(Original)** A computer readable medium with instructions for performing the method of claim 1.

19. **(Canceled)**

20. **(Canceled)**

21. **(Canceled)**

22. **(Canceled)**

23. **(Canceled)**

24. **(Canceled)**

25. **(Canceled)**

26. **(Canceled)**

27. **(Canceled)**

28. **(Canceled)**

29. **(Canceled)**

30. **(Canceled)**